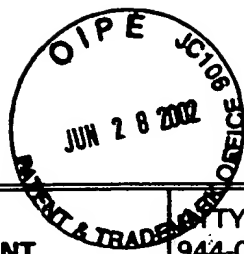




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|   |  |  |             |                          |              |  |                                       |
|---|--|--|-------------|--------------------------|--------------|--|---------------------------------------|
| <b>FORM PTO-1449</b><br><b>INFORMATION DISCLOSURE STATEMENT</b>               |  | ATTY DOCKET NO.<br>944-003.043-1   |             | SERIAL NO.<br>09/918,300 |              |  |                                       |
|   |  | APPLICANTS: Jari Mäkinen, et al  |             |                          |              |  |                                       |
|   |  | FILING DATE:<br>July 30, 2001  |             | ART UNIT: 2631           |              | <b>RECEIVED</b><br>OCT 17 2001<br>Technology Center 2600 |                                       |
| <b>UNITED STATES PATENT DOCUMENTS</b>   |  |  |             |                          |              |  |                                       |
| <b>EXAM.<br/>INITIAL</b>  |  | <b>DOCUMENT<br/>NUMBER</b>   | <b>DATE</b> | <b>INVENTOR/ASSIGNEE</b> | <b>CLASS</b> | <b>SUBCLASS</b>  | <b>FILING DATE IF<br/>APPROPRIATE</b> |
|   |  |  |             |                          |              |  |                                       |
|   |  |  |             |                          |              |  |                                       |
|   |  |  |             |                          |              |  |                                       |
|   |  |  |             |                          |              |  |                                       |
| <b>FOREIGN PATENT DOCUMENTS</b>   |  |  |             |                          |              |  |                                       |
|   |  | <b>DOCUMENT<br/>NUMBER</b>   | <b>DATE</b> | <b>INVENTOR/ASSIGNEE</b> | <b>CLASS</b> | <b>SUBCLASS</b>  | <b>TRANSLATION<br/>YES/NO</b>         |
|   |  |  |             |                          |              |  |                                       |
| <b>OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</b> |  |  |             |                          |              |  |                                       |
| DA  |  | Digital cellular telecommunications system (Phase 2+); Substitution and muting of lost frames for Adaptive Multi Rate (AMR) speech traffic channels (GSM 06.91 version 7.1.1 Release 1998), "ETSI EN 301 705 (2000-04), European Telecommunications Standards Institute 2000." |             |                          |              |  |                                       |
|   |  |  |             |                          |              |  |                                       |
|   |  |  |             |                          |              |  |                                       |
|   |  |  |             |                          |              |  |                                       |
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|---|---|---------------------------------|
| <b>FORM PTO-1449</b><br><b>INFORMATION DISCLOSURE STATEMENT</b> | <b>PATENT DOCKET NO.</b><br>944-003.043-1 | <b>SERIAL NO.</b><br>09/918,300 |
|   | <b>APPLICANTS:</b> Jari Mäkinen et al     |                                 |
|   | <b>FILING DATE:</b><br>July 30, 2001      | <b>ART UNIT:</b> 2631           |

**UNITED STATES PATENT DOCUMENTS**

| EXAM.<br>INITIAL |  | DOCUMENT<br>NUMBER | DATE      | INVENTOR/ASSIGNEE | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|------------------|--|--------------------|-----------|-------------------|-------|----------|-------------------------------|
| DA               |  | 5,717,822          | 2/10/1998 | Juin-Hwey Chen    |       |          |                               |
|                  |  |                    |           |                   |       |          |                               |
|                  |  |                    |           |                   |       |          |                               |

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|    |    | DOCUMENT<br>NUMBER | DATE       | INVENTOR/ASSIGNEE | CLASS | SUBCLASS | TRANSLATION<br>YES/NO |
|----|----|--------------------|------------|-------------------|-------|----------|-----------------------|
| DA | WO | 99/66494           | 12/23/1999 | Ho, Grant, et al  |       |          |                       |
|    |    |                    |            |                   |       |          |                       |
|    |    |                    |            |                   |       |          |                       |

**OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)**

|    |  |  |
|----|--|--|
| DA |  | <i>Improved Substitution for Erroneous Ltp-Parameters in a Speech Decoder</i> , J. Mäkinen, J. Vainio, H. Mikkola, J. Pukkila, Norsig Symposium 2001, 18-20 Oct. 2001, XP002195905, Trondheim.   |
| DA |  | <i>Immittance Spectral Pairs (ISP) for Speech Encoding</i> , Bistriz, Y. et al, Statistical Signal and Array Processing. Minneapolis, Apr. 27-30, 1993, Proceedings of the International Conference on Acoustics, Speech, and Signal Processing (ICASSP), New York, IEEE, US, Vol. 4, April 27, 1993, pages 9-12, XP010110380. |
| DA |  | TSG-SA Codec Working Group: "3G TS 26.091" Technical Specification Group Services and System Aspects, Yokohama, Japan, April 26-28, 1999, XP002195906.   |
|    |  |  |
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Examiner

*W. S. Allen*

Date:

*2/1/04*